

Sheet 1 of 31 Form PTO/SB/08A		ATTY DOCKET NO. 00952-8033		APPLICATION NO. 09/764,445		
LIST OF REFERENCES CITED BY APPLICANT(S)		APPLICANT(S) Edward W. MERRILL et al.				
		FILING DATE January 19, 2001		GROUP 1765		
Date Submitted: April 4, 2011						
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE (M/D/Y)	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	G01 2,989,451	6/20/61	Prochaska	204	154	
	G02 2,904,480	9/15/59	Rainer et al.	204	154	
	G03 2,946,666	8/9/60	Lawton	204	154	
	G04 3,022,543	2/27/62	Baird Jr. et al.	16	57	
	G05 3,057,791	10/9/62	Anderson Jr.	210	154	
	G06 3,090,770	5/21/63	Gregorian	260	45.5	
	G07 3,162,623	12/22/64	Cairus et al.	260	87.7	
	G08 3,200,056	8/10/65	Bond	204	154	
	G09 3,231,481	1/25/66	Amemiya et al.	204	154	
	G10 3,297,641	1/10/67	Werber et al.	260	66	
	G13 3,330,748	7/11/67	Lawton	204	156	
	G22 3,352,818	11/14/67	Meyer et al.	260	45.7	
	G13 3,362,897	1/9/68	Lawton	204	159.2	
	G14 3,563,869	2/16/71	Rainer et al.	260	159.2	
	G05 3,616,365	10/26/71	Stastny et al.	210	159.14	
	G16 3,698,017	10/17/72	Scales et al.	3	1	
	G17 3,783,115	1/1/74	Zeppenfeld	260	159.2	
	G18 3,756,273	9/11/73	Johnston et al.	21	54 R	
	G15 3,832,827	9/3/74	Lernelson	53	111 R	
	G22 3,886,056	5/27/75	Kitamaru et al.	204	159.2	
	G01 3,944,536	3/16/76	Lupton et al.	260	94.9 R	
	G22 4,226,905	10/7/80	Harbourne	428	220	
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	G29	4,241,463	12/30/80	Khovaylo	3	1.913	
	G24	4,385,405	5/31/81	Teinturier	3	1.912	
	G25	4,524,467	6/25/85	DeCarlo, Jr.	603	22	
	G26	4,535,486	8/20/85	Roberts et al.	623	22	
	G27	4,586,995	5/8/86	Randall et al.	522	5	
	G29	4,587,163	5/6/86	Zachariades	428	292	
	G29	4,655,769	4/7/87	Zachariades	623	1	
	G35	4,701,288	10/20/87	Cook et al.	264	1.4	
	G38	4,747,990	5/31/88	Gaussens et al.	264	322	
	G32	4,813,210	3/21/90	Masuda et al.	53	425	
	G38	4,820,466	4/10/90	Zachariades	264	400	
	G38	4,832,965	5/3/89	Helin	426	66	
	G35	4,888,141	12/19/89	Bastiaansen et al.	264	22	
	G36	4,892,552	1/9/90	Ainsworth et al.	623	23	
	G38	4,902,460	2/20/90	Yagi et al.	264	83	
	G38	4,916,198	4/10/90	Scheve et al.	526	351	
	G35	4,944,974	7/31/90	Zachariades	428	298	
	G40	4,950,151	8/21/90	Zachariades	264	400	
	G40	4,954,299	9/4/90	Greig et al.	264	22	
	G42	5,001,008	3/19/91	Tokita et al.	428	400	
	G40	5,001,206	3/19/91	Bashir et al.	526	352	
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	G44	5,014,494	5/14/91	George	53	425	
	G45	5,017,627	5/21/91	Bonfield et al.	523	115	
	G49	5,024,670	6/18/91	Smith et al.	623	18	
	G48	5,030,402	7/9/91	Zachariades	264	138	
	G48	5,037,928	8/5/91	Li et al.	526	352	
	G49	5,047,446	9/10/91	DeNicola, Jr.	522	157	
	G50	5,059,196	10/22/91	Coates	606	99	
	G51	5,066,755	11/19/91	Lemstra	526	348.1	
	G52	5,082,869	1/21/92	Braga et al.	521	101	
	G53	5,096,654	3/17/92	Craggs et al.	264	570	
	G54	5,123,924	6/23/92	Sioshansi et al.	623	16	
	G55	5,123,925	6/23/92	Smestad et al.	623	16	
	G56	5,153,039	10/6/92	Porter et al.	428	36.92	
	G54	5,164,464	11/17/92	Hefner, Jr. et al.	525	531	
	G56	5,160,472	11/3/92	Zachariades	264	136	
	G56	5,160,677	11/3/92	Gravener et al.	264	101	
	G68	5,200,439	4/6/93	Asanuma	522	157	
	G63	5,292,584	3/8/94	Howard et al.	428	327	
	G62	5,352,732	10/4/94	Howard	524	789	
	G63	5,358,792	10/25/94	Mehta et al.	428	516	
	G63	5,407,623	4/18/95	Zachariades et al.	264	119	
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	G65	5,414,049	5/9/95	Sun et al.	525	333.7	
	G66	5,428,079	6/27/95	Bastiaansen et al.	522	161	
	G67	5,449,745	9/12/95	Sun et al.	528	483	
	G68	5,466,530	11/14/95	England et al.	428	411.1	
	G65	5,478,906	12/26/95	Howard Jr.	526	352	
	G75	5,480,683	1/2/96	Chabrol et al.	428	525	
	G71	5,507,446	4/16/96	Ditzig	242	372	
	G72	5,508,319	4/16/96	DeNicola, Jr. et al.	522	161	
	G73	5,515,590	5/14/96	Pienkowski	29	404	
	G74	5,543,571	8/6/96	Burk	564	150	
	G75	5,549,698	8/27/96	Avenil et al.	623	22	
	G76	5,549,700	8/27/96	Graham et al.	623	22	
	G77	5,552,104	9/3/96	DeNicola, Jr. et al.	264	456	
	G78	5,650,485	7/22/97	Sun et al.	528	483	
	G75	5,577,368	11/26/96	Hamilton et al.	53	432	
	G80	5,593,719	11/4/97	Dearnaley et al.	428	2.26	
	G81	5,609,643	3/11/97	Colleran et al.	623	28	
	G80	5,650,485	7/22/97	Sun et al.	528	483	
	G83	5,652,281	7/29/97	Galli et al.	522	114	
	G80	5,684,124	11/4/97	Howard, Jr. et al.	528	481	
	G85	5,728,748	3/17/98	Sun et al.	522	65	
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE (M/D/Y)	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	G86	5,753,182	5/19/98	Higgins	422	23	
	G87	5,824,411	10/20/98	Shalaby et al.	428	364	
	G88	5,834,113	11/10/98	Shalaby et al.	428	364	
	G89	5,869,575	2/9/99	Kolthammer et al.	525	240	
	G90	5,874,123	2/23/99	Park	427	2.24	
	G91	5,879,400	3/9/99	Merrill et al.	623	22	
	G92	5,972,444	10/26/99	Patel et al.	428	35.2	
	G93	6,005,053	12/21/99	Parikh et al.	525	221	
	G94	6,017,975	1/25/00	Saum et al.	522	161	
	G95	6,096,064	8/1/00	Townley	623	23.12	
	G96	6,143,232	11/7/00	Rohr	623	18	
	G97	6,165,220	10/20/00	McKellop et al.	623	18	
	G98	6,168,626	1/2/01	Hyon et al.	623	18.11	
	G99	6,174,932	1/16/01	Pachl et al.	522	100	
	G100	6,174,934	1/16/01	Sun et al.	523	113	
	G101	6,184,265	2/6/01	Hamilton et al.	522	160	
	G102	6,228,900	5/8/01	Shen et al.	522	153	
	G103	6,242,507	6/5/01	Saum et al.	522	161	
	G104	6,245,276	6/12/01	McNulty et al.	264	322	
	G105	6,281,264	8/28/01	Salovey et al.	523	115	
	G106	6,316,158	11/13/01	Saum et al.	430	100	
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE (M/D/Y)	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	G114	896852	9/7/89	South Africa			
	G114	0 177 552	5/27/92	Europe			
	G115	0 218 923	11/7/90	Europe			
	G119	0 218 993	2/2/94	Europe			
	G117	0 373 800	5/25/94	Europe			
	G114	0 376 503	7/4/90	Europe			
	G119	0 722 973	12/17/03	Europe			
	G120	0 729 981	3/20/02	Europe			
	G120	0 737 481	9/3/04	Europe			
	G122	2 060 469	5/7/81	United Kingdom			
	G120	2 180 815	4/8/87	United Kingdom			
	G124	2 156 733	10/16/85	United Kingdom			
	G125	2 157 298	10/23/85	United Kingdom			
	G126	2 225 551	6/6/90	United Kingdom			
	G120	2 207 436	2/1/89	United Kingdom			
	G128	04185651	7/2/92	Japan			X
	G129	041982242	7/17/92	Japan			X
	G130	58157830	9/20/83	Japan			X
	G131	59071830	4/23/84	Japan			
	G131	WO90/11060	10/4/90	WIPO			
	G133	WO97/29793	8/21/97	WIPO			
	G134	WO98/01085	1/15/98	WIPO			
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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G139	Akay et al.	Radiat. Phys. Chem. 36(3): 337-343 (1990)
	G139	Allen et al.	Polymer Degradation & Stability 19: 77-95 (1987)
	G140	Allen et al.	Applied Organometallic Chemistry 1: 311-317 (1987)
	G141	Allen et al.	Polymer Degradation and Stability 39: 293-297 (1993)
	G142	Allen et al.	J. of Chromatography 629: 283-290 (1993)
	G140	Allen et al.	Chemistry & Industry, pp. 16-17 (1990)
	G144	Allen et al.	The Effects of Ionising Radiation of Additives Present in Food-contact Polymers, Food Irradiation & the Chemist, pp. 124-139 (1990)
	G145	Allen et al.	Chemistry & Industry, pp. 198-199 (1987)
	G146	Allen et al.	Chemistry & Industry, pp. 854-855 (1987)
	G147	Allen et al.	Radiat. Phys. Chem. 38(5): 461-465 (1991)
	G149	Allen et al.	Food Additives & Contaminants 5(1): 433-435 (1988)
	G149	Allen et al.	Chemistry & Industry, pp. 399-400 (1988)
	G150	Allen et al.	Chemistry & Industry, pp. 38-39 (1989)
	G150	Alexander et al.	J. Poly. Sci. XXII(101): 343-348 (1956)
	G152	Amstutz	Orthopedic Clinics of North America 4(2): 235-248 (1973)
	G153	Amstutz	Implant Wear: The Future of Total Joint Replacement, pp. 1-27, Symposium, Oakbrook, IL (Sept. 1995)
	G154	Amstutz	J. Biomed. Mater. Res. 3: 547-568 (1968)
	G155	Amstutz et al.	J. Biomed. Mater. Res. 10: 25-31 (1976)
	G150	Artandi	Radiat. Phys. Chem. 9: 183-191 (1977)
	G157	Atkinson et al.	Transactions of the ASME 100: 208-218 (1978)
	G158	Azuma et al.	Agric. Biol. Chem. 48(8): 2003-2008 (1984)
	G159	Azuma et al.	Agric. Biol. Chem. 47(4): 855-860 (1983)
	G160	Baker et al.	Study of fatigue resistance of chemical and radiation crosslinked medical grade ultrahigh molecular weight polyethylene, pp. 573-581, John Wiley & Sons, Inc. (1999)
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	G161	Baker et al.	Polymer 41: 795-808 (2000)
	G162	Bakker	The Wiley Encyclopedia of Packaging Technology, pp. 530, 562 & 564 (1986)
	G163	Bankston, et al.	Clinical Orthopaedics and Related Research 317: 7-13 (1995)
	G164	Bargmann et al.	Clinical Orthopaedics and Related Research 369: 49-58 (1999)
	G165	Barrett	Int. J. Appl. Radiat. Isot. 33: 1177-1187 (1982)
	G166	Bartel	J. Bone & Joint Surgery 68-A(7): 1041-1051 (1995)
	G167	Bartel	The Effect of Metal Backing on Stresses in Polyethylene Acetabular Components, pp. 229-239 (1983)
	G168	Barton et al.	Comparative Wear Under Three Different Tribological Conditions of Acetabular Crosslinked Ultra High Molecular Weight Polyethylene, 44th Annual Meeting, Orthopaedic Research Society, March 16-19, 1998, New Orleans, Louisiana
	G169	Basheer	Journal of Polymer Science: Polymer Physics Edition 21: 949-956 (1983)
	G170	Baskett	Nature 174: 364-365 (1954)
	G171	Bayley et al.	J. of Bone & Joint Surgery 70-A(5): 668-674 (1988)
	G172	Bechenbaugh et al.	J. of Bone & Joint Surgery 60-A(3): 306-313 (1978)
	G173	Beenen et al.	Radiat. Phys. Chem. 35(1-3): 364-368 (1990)
	G174	Bell et al.	J. of Bone & Joint Surgery 67-A(8): 1165-1175 (1985)
	G175	Bellare et al.	Biomaterials 17(24): 2325-2333 (1996)
	G176	Bellare et al.	The Polyethylene History, pp. 45-50 (no date)
	G177	Bennett et al.	Global Reference UHMWPE: Characterization & Comparison to Commercial UHMWPE, 42 nd Annual Meeting, Orthopedic Research Society, Atlanta, Georgia, p. 472 (1996)
	G178	Berry et al.	The Use of Ultrahigh Molecular Weight Polyethylene in Articular Prosthesis - I Polymer characterization of Six "Off the Shelf" Acetabular Components, ORPL (1984)
	G179	Bhambri et al.	A Comparison of Morphology of Hip Simulator and Pin-On-Flat Wear Particles of Highly Crosslinked Polyethylene, 1995 Society of Biomaterials, 26th Annual Meeting Transactions, pg. 505
	G180	Bhateja	Polymer 23: 654-655 (1982)
	G181	Bhateja	Journal of Applied Polymer Science 28: 861-872 (1983)
	G182	Bhateja	Journal of Polymer Science: Polymer Physics Edition, Vol. 21, 523-536 (1983)
	G183	Bhateja	Polymer 22: 23-28 (1981)
	G184	Bhateja et al.	Polymer Engineering and Science, November 23 (16): 888-894 (1983)
	G185	Biedermann et al.	Journal of Chromatography A(784): 65-71 (1997)
EXAMINER		/Susan Berman/	
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	G186	Billmeyer, Jr. et al.	Textbook of Polymer Science, 3 rd Edition, pp. 312-314 (1984)
	G187	Birkinshaw et al.	Materials Chemistry & Physics 14: 549-558 (1986)
	G188	Birkinshaw et al.	Polymer Communications 28: 286-288 (1987)
	G189	Birkinshaw et al.	Polymer Degradation & Stability 22: 285-294 (1988)
	G190	Birkinshaw et al.	J. Applied Polymer Science 38: 1967-1973 (1989)
	G191	Black	Orthopaedic Biomaterials in Research and Practice, pp. 144-150 (1988)
	G192	Black et al.	J. of Chromatography 637: 71-80 (1993)
	G193	Blackadder et al.	Polymer 11(2): 147-164 (1970)
	G194	Blackadder et al.	Polymer 13: 584-586 (1972)
	G195	Blunn et al.	Clinical Orthopedics & Related Research 273: 253-260 (1991)
	G196	Blunn et al.	J. Bone & Joint Surgery 84-B(7): 946-949 (2002)
	G197	Booth	Industrial Sterilization Technologies: New and Old Trends Shape Manufacturer Choices, Medical Device & Diagnostic Industry, pp. 64-72 (1995)
	G198	Bosboom, et al.	Journal of Chromatography A(723): 384-391 (1996)
	G199	Bostrom et al.	Degradation in Polyethylene As A Result of Sterilization, Shelf Storage, and <i>In Vivo</i> Use, 40 th Annual Meeting, Orthopaedic Research Society, New Orleans, LA, p. 288 (1994)
	G200	Bourges et al.	Packaging Technology & Science 5: 205-209 (1992)
	G201	Bourges et al.	Packaging Technology and Science 5: 197-204 (1992)
	G202	Bourges et al.	Food Additives and Contaminants 10(4): 443-452 (1993)
	G203	Boyd et al.	J. Agric. Food Chem. 39: 789-792 (1991)
	G204	Bragdon et al.	A New Polyethylene with Undetectable Wear at 12 Million Cycles, 24 th Annual Meeting of the SOCIETY FOR BIOMATERIALS, San Diego, CA p. 2. (1998)
	G205	Brinston	Radiat. Phys. Chem. 35(1-3): 390-392, (1990)
	G206	Brinston,	Gaining The Competitive Edge with Gamma Sterilization, Medical Device Technology, pp. 28-33 (1991)
	G207	Brinston et al.	Converting to Gamma-Radiation Sterilization: An Overview for Medical Device Manufacturers, Medical Device Technology, pp. 18-22 (1993)
	G208	Brown et al.	Wear 40: 255-264 (1976)
	G209	Buchalla et al.	Die Stahlersterilisation von Medikalprodukten aus Kunststoffen - eine Übersicht, Teil II, Bundesgesundh., pp. 298-304 (1994)
	G210	Buchalla et al.	Die Stahlersterilisation von Medikalprodukten aus Kunststoffen - eine Übersicht, Teil II, Bundesgesundh., pp. 347-353 (1994)
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Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G211	Buchalla et al.	Die Strahlensterilisation von Medikalprodukten aus Kunststoffen-eine Übersicht, Teil I, Bundesgesundhbl., pp. 261-268 (6/94)
	G212	Buchalla et al.	Journal of Food Protection 56(11): 991-997 (1993)
	G213	Buchalla et al.	Journal of Food Protection 56(11): 991-997 (1993)
	G214	Buchalla et al.	Radiat. Phys. Chem. 46(4-6): 579-585 (1995)
	G215	Bureiko et al.	Headspace Analysis of Volatile Impurities in Solid Polymers, pp. 330-336 (translated from Zhurnal Analiticheskoi Khimii 46(3): 452-460 (1991))
	G216	Burstein	Biomechanics of the Knee, pp. 21-39 (no date)
	G217	Callaghan, et al.	Clinical Orthopaedics and Related Research 317: 14-18 (1995)
	G218	Cameron et al.	Clinical Orthopaedics and Related Research 165: 197-199 (1982)
	G219	Cameron et al.	Orthopaedic Review XVI(3): 75-77 (1987)
	G220	Camino	TRIP 4(7): 246 (1996)
	G221	Caputo et al.	Sterilization with Ethylene Oxide & Other Gases, Chemical & Physical Sterilization, pp. 47-64 (no date)
	G222	Carlsson et al.	Polypropylene Degradation by γ -Irradiation in Air, Polymer Stabilization and Degradation, pp. 359-371 (1985)
	G223	Cates et al.	J. Bones & Joint Surgery 75-B(2): 249-253 (1993)
	G224	Champion	Fatigue Crack Growth Behavior of Enhanced Ultra-High Molecular Weight Polyethylen, 20 th Annual Meeting of the SOCIETY FOR BIOMATERIALS, Boston, MA, p. 76 (1994)
	G225	Chapiro	Radiation Chemistry of Polymeric Systems, Interscience Publishers, John Wiley & Sons, New York, p. 385-494 (1962)
	G226	Chapiro	Technical Development and Prospects of Sterilization by Ionizing Radiation, Physical & Chemical Effects of Ionizing Radiations on Polymeric Systems, pp. 367-374 (1974)
	G227	Charlesby	Proceedings of the Royal Society of London 215, 188-214 (1952)
	G228	Charlesby	Advances in Chemistry Series 66: 1-21 (1974)
	G229	Charlesby	Radiat. Phys. Chem. 37(1): 5-10 (1991)
	G230	Charlesby	Atomic Radiation and Polymers, Polyethylene, pp. 198-257 (1960)
	G231	Charlesby et al.	Analysis of the solubility behavior of irradiated polyethylene and other polymers, pp. 367-386 (1958)
	G232	Charnley	J. of Bone & Joint Surgery 54B(1): 61-76 (1972)
	G233	Charnley et al.	Clinical Orthopaedics and Related Research 95: 9-25 (1973)
	G234	Charnley, et al.	Med. & Biol. Engng. 7: 31-39 (1969)
	G235	Chen et al.	Journal of Polymer Science 27(12): 4051-4075 (1989)
EXAMINER /Susan Berman/		DATE CONSIDERED 06/14/2011	

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Sheet 13 of 31 Form PTO/SB/08A		ATTY DOCKET NO. 00952-8033	APPLICATION NO. 09/764,445
LIST OF REFERENCES CITED BY APPLICANT(S)		APPLICANT(S) Edward W. MERRILL et al.	
		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G236	Chiesa et al.	Sterilization Effects on highly crosslinked UHMWPE, 1999 Society for Biomaterials, 25 th Annual Meeting Transactions (1999)
	G237	Chillag et al.	Clinical Orthopaedics & Related Research 273: pp. 261-263 (1991)
	G238	Chin	Gamma Sterilization and Single-Use Devices, pp. 21-23 (no date)
	G239	Chuaqui- Offermanns	Radiat. Phys. Chem. 34(6): 1005-1007 (1989)
	G240	Chuaqui- Offermanns	J. of Radiation Sterilization 1: 29-41 (1992)
	G244	Clarke	Clinical Orthopaedics & Related Research 121: 126-142 (1976)
	G242	Clarke et al.	Biomaterials 6: 184-188 (1985)
	G243	Clarke et al.	Simulator Wear Study of High-Dose Gamma-Irradiated UHMWPE Cups, Abstracts of the 23rd Annual Meeting of the Society for Biomaterials (April 1997)
	G244	Clayton et al.	Clinical Orthopaedics & Related Research 170: 152-155 (1982)
	G245	Clegg et al.	Irradiation Effects on Polymers, pp. 48-59, Elsevier Applied Science (1991)
	G246	Clough	Encyclopedia of Polymer Science and Engineering, Vol. 13, Second Edition, pp. 667-708, John Wiley & Sons, New York (1988)
	G247	Clough et al.	Radiation Resistance of Polymers and Composites, Chapter 3, pp. 79-156, Elsevier Applied Science, London (1991)
	G248	Clough	Radiation Effects on Polymers, American Chemical Society (1991)
	G249	Cohn, Jr. et al.	Infections, Principles of Surgery/Basic considerations, pp. 181-215 (1986)
	G250	Collins et al.	J. of Bone & Joint Surgery 64-A(6): 939-940 (1982)
	G254	Collier et al.	Journal of Arthroplasty 11(4): 377-389 (1996)
	G252	Cook et al.	The Effect of Molecular Weight on the Cross-Link Density of Irradiated Ultra-High Molecular Weight Polyethylenes, 24 th Annual Meeting of the Society for Biomaterials, p. 153 (1998)
	G253	Costa et al.	Biomaterials 19: 1371-1385 (1998)
	G254	Coughlin et al.	Encyclopedia of Polymer Science and Engineering 6: 490-494 (1986)
	G255	Cracchiolo III et al.	Clinical Orthopaedics & Related Research 145: 37-46 (1979)
	G256	Cracco et al.	The Journal of Chemical Physics 37(10): 2449-2457 (1962)
	G257	Crowninshield et al.	J. Biomechanics 11: 75-85 (1978)
	G258	Crugnola et al.	Journal of Applied Polymer Science 20: 809-812 (1976)
	G259	Currier et al.	Effect of Fabrication Method and Resin Type on Performance of Tibial Bearings, pp. 143-151, John Wiley & Sons, Inc. (2000)
	G260	Currier et al.	Clinical Orthopaedics and Related Research 342: 111-122 (1997)
EXAMINER		/Susan Berman/	DATE CONSIDERED 06/14/2011

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Sheet 14 of 31 Form PTO/SB/08A		ATTY DOCKET NO. 00952-8033	APPLICATION NO. 09/764,445
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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G261	de Boer et al.	Polymer Bulletin 7: 309-316 (1982)
	G262	de Boer et al.	Polymer Bulletin 5: 317-324 (1981)
	G263	de Boer et al.	Polymer 25: 513-519 (1984)
	G264	DeGante et al.	Packaging Technology and Science 3: 97-115 (1990)
	G265	Delincee	Trends in Food Science & Technology 9: 73-82 (1998)
	G266	Demertzis et al.	Packaging Technology and Science 12: 119-130 (1999)
	G267	Dempsey et al.	J. Biomaterials Applications 3: 454-523 (1989)
	G268	Derbyshire	Radiat. Phys. Chem. 14: 333-342 (1979)
	G269	Derbyshire et al.	Med. Eng. Phys. 16: 229-236 (1994)
	G270	Deschenes, et al.	Radiat. Phys. Chem. 46(4-6): 805-808 (1995)
	G271	Devane et al.	Clinical Orthopaedics and Related Research 319: 317-326 (1995)
	G272	Devane et al.	J. of Arthroplasty 12(3): 256-266 (1997)
	G273	Devane et al.	J. of Bone and Joint Surgery 79-A(5): 682-689 (1997)
	G274	Dijkstra et al.	Polymer Bulletin 20: 557-562 (1988)
	G275	Dijkstra et al.	Polymer Bulletin 17: 507-513 (1987)
	G276	Dimaio et al.	Effect of Radiation Dose on the Physical Properties of Crosslinked UHMWPE, 45 th Annual Meeting, Orthopedic research Society (1999)
	G277	Dole	Radiat. Phys. Chem. 22(1/2): 11-19 (1983)
	G278	Dole	Polym. Plast. Technol. Eng. 13(1): 41-64 (1979)
	G279	Dole et al.	Radiat. Phys. Chem. 14 : 711-720 (1979)
	G280	Dole et al.	Radiat. Phys. Chem. 9: 433-444 (1977)
	G281	Dole	The Radiation Chemistry of Macromolecules, Vol. 1, chapters 1-2, 4-6, 11-14 (1972)
	G282	Dorr et al.	Clinical Orthopaedics and Related Research 205: 5-11 (1986)
	G283	Dorpema	Radiat. Phys. Chem. 35(1-3): 357-360 (1980)
	G284	Dowling et al.	J. of Bone and Joint Surgery 60-B(3): 375-382 (1978)
	G285	Ducheyne et al.	J. of Bone and Joint Surgery 60-A(3): 384-391 (1978)
EXAMINER		/Susan Berman/	
		DATE CONSIDERED 06/14/2011	

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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (including Author, Title, Date, Pertinent Pages, Etc.)			
	G286	Dumbleton et al.	J. of Applied Polymer Science 18: 3493-3496 (1974)
	G287	Dumbleton et al.	Wear 29: 163-171 (1974)
	G289	Dumbleton et al.	Wear 37: 279-289 (1976)
	G289	DuPlessis et al.	Radiat. Phys. Chem. 9: 647-652 (1977)
	G290	Edidin et al.	J. of Arthroplasty 14(5): 616-627 (1999)
	G291	Elbert et al.	J. of Biomedical Materials Research 28: 181-187 (1994)
	G291	Ellis	Medical Markets for Radiation Sterilizable Plastics, pp. 31-34 (no date)
	G299	Ellis	Circle Reader Service #62, pp. 50-51 (1990)
	G294	Ergoz et al.	Crystallization Kinetics of Linear Polyethylene 5(2): 147-157 (1972)
	G295	Ewald et al.	American Academy of Orthopaedic Surgeons, p. 202 (no date)
	G296	Eyerer	Biomed Technik 28: 297-309 (1983)
	G297	Eyerer	Prop. Changes of UHMWPE Poly. During Implant. - First Hints for the Dev. of an Alt. Poly., ANTEC, Soc. of Plastic Engineers, 43rd Annual Technical Conference (1985)
	G298	Eyerer	J. Biomedical Materials Research 18: 1137-1151 (1984)
	G299	Eyerer et al.	Ultrahochmolekulares Polyethylen Fur Gelenkendoprothesen, Kunststoffe 77(6): 617-622 (1987)
	G300	Farling et al.	Mechanical Properties of Biomaterials, pp. 53-64 (1980)
	G301	Feazel et al.	Package Engineering 5(4): 43-45 (1960)
	G302	Ferns	J. Exp. Path. 71: 367-373 (1990)
	G303	Figgie III, et al.	J. of Bone and Joint Surgery 68-A(7): 1035-1040 (1986)
	G304	Fisher	Journal of Arthroplasty 10(5): 1995
	G305	Francis et al.	The Velocity of Oxidation of Paraffin Wax, Parts I-IV, pp. 381-393 (1923)
	G306	Francis et al.	The Non-Acidic Oxidation Products of Paraffin Wax, pp. 2377-2834 (1926)
	G307	Freeman et al.	Clinical Orthopaedics and Related Research 192: 46-58 (1985)
	G308	Frohnisdorff	Radiat. Phys. Chem. 17: 95-106 (1981)
	G309	Fujita	Organic Vapors above the Glass Transition Temperature, Diffusion in Polymers, pp. 75-105 (1968)
	G310	Furuhashi et al.	Bull. Tokyo Med. Dent. Univ. 29: 23-35 (1982)
EXAMINER		DATE CONSIDERED	
/Susan Berman/		06/14/2011	

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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G311	Galante et al.	Acta Orthopaedica Scandinavica, Supplementum No. 145: 1-46 (1973)
	G312	Galante et al.	Wear Rates of Candidate Materials for total Hip Arthroplasty, Proceedings of the first open scientific meeting of The Hip Society, pp. 67-78 (1973)
	G313	Gibbons et al.	Wear & Degradation of Retrieved Ultrahigh Molecular Weight Polyethylene and Other Polymeric Implants, American Society for Testing and Materials, pp. 20-40 (1979)
	G314	Giberson,	Oxygen Diffusion & Reaction During γ -Irradiation of Polyethylene 66: 463-468 (1962)
	G315	Gielenz et al.	Colloid & Polymer Sci. 250:742-753 (1982)
	G316	Gilbert et al.	J. Association of Public Analysis 19: 39-49 (1981)
	G317	Gilbert et al.	J. Sci. Food Agric. 34: 647-652 (1983)
	G318	Gilburt et al.	JFSS 31(3): 337-347 (1991)
	G319	Gillen et al.	Polymer Degradation and Stability 47: 149-161 (1995)
	G320	Gillis et al.	An Ind. Eval. of the Mech. Chem. and Fracture Properties of UHMWPE Cross Linked by 34 Different Conditions, 45 th Annual Meeting, Orthopaedic Research Society (1999)
	G321	Goldman et al.	Polymer 37(14): 2909-2913 (1996)
	G322	Goldman et al.	Characterization of Structure and Fatigue Resistance of Aged and Irradiated UHMWPE, The 21 st Annual Meeting of the Society for Biomaterials, San Francisco, CA (1995)
	G323	Goldman et al.	J. Biomed. Mater. Res. 40: 378-384 (1998)
	G324	Goodacre et al.	Nature 359: 594 (1992)
	G325	Grewel et al.	Electrochemical Machining of Orthopaedic Components, Advances in Manufacturing Technology, pp. 366-373 (1984)
	G326	Grob, Jr. et al.	Journal of Chromatography 156: 1-20 (1978)
	G327	Grob et al.	Journal of Chromatography 219: 13-20 (1981)
	G328	Grob et al.	Journal of Chromatography A(750): 11-23 (1996)
	G329	Grobbelaar et al.	The Journal of Bone and Joint Surgery 60-B(3): 370-374 (1978)
	G330	Grobbelaar et al.	The Role of Radiation in Orthopaedic Implants, pp. 10-13 (no date)
	G331	Grood et al.	The Journal of Bone and Joint Surgery 58-A(8):1083-1088 (1976)
	G332	Grünwald et al.	Untersuchung der Einwirkung ionisierender Strahlung auf die Geseund Wasserdampf-Durchlässigkeit von Verpackungs-Folien, Fette Seifen Anstrichmittel 63(10): 928-934 (1961)
	G333	Gsell et al.	Quality Indicators of High-Performance UHMWPE, Zimmer Publication (1997)
	G334	Gustilo et al.	Quadriceps and Patellar Tendon Ruptures following Total Knee Arthroplasty, pp. 41-47, (1984)
	G335	Gvozdic et al.	Crosslinking and Crystallinity in Irradiated Polyethylene, Polymer Preprints 19(1): 584-587 (1978)
EXAMINER		DATE CONSIDERED	
/Susan Berman/		06/14/2011	

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		FILING DATE January 19, 2001		GROUP 1765	
Date Submitted: April 4, 2011					
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)					
	G339	Gvozdic et al.	J. Phys. Chem. 85(11): 1563-1569 (1981)		
	G337	Haas et al.	Crystallinity In Implanted UHMW Polyethylene, 25 th Annual ORS, San Francisco, CA, p. 263 (1979)		
	G338	Haesen et al.	J. Indust. Irradiation Tech. 1(3): 259-280 (1983)		
	G339	Hagman et al.	J. of Chromatography 395: 271-279 (1987)		
	G340	Hagman et al.	J. of High Resolution Chromatography & Chromatography Communications 11: 830-836 (1988)		
	G341	Hagman et al.	Anal. Chem. 61: 1202-1207 (1989)		
	G342	Hagman et al.	J. Microcol. Sep. 5(4): 341-346 (1993)		
	G343	Hagman et al.	J. of High Resolution Chromatography & Chromatography Communications 11: 46-50 (1988)		
	G344	Haire et al.	Food Research International 30(3/4): 249-264 (1997)		
	G345	Halcomb et al.	Trans Am Soc Artif Intern Organs, Vol. XXVII: 364-368 (1981)		
	G346	Hall et al.	Med. Eng. Phys. 19(8): 711-719 (1997)		
	G347	Halldin et al.	The Effect of Particle Characteristics On The Sintering Behavior of Ultra-High Molecular Weight Poly., Dept. of Mech. Eng., Univ. of Wisc.-Madison, Madison, WI, 53706, pp. 238-241 (1983)		
	G348	Halley et al.	Polymer 35(10): 2166-2191 (1994)		
	G349	Hamilton et al.	The Effect of Packaging on the Stability of Gamma Sterilized UHMWPE, 44 th Annual Meeting, Orthopaedic Research Society, New Orleans, LA (1998)		
	G350	Hamilton et al.	The Effect of Fusion Defects on Mechanical Properties of UHMWPE, Fifth World Biomaterials Congress, Toronto, Canada (1996)		
	G351	Hamilton-Kemp et al.	Volatile Compounds from Strawberry Foilage & Flowers, American Chemical Society, pp. 229-239 (1993)		
	G352	Handlos et al.	Journal of Applied Polymer Science 20: 3375-3386 (1976)		
	G353	Handlos	Radiat. Phys. Chem. 18(1-2): 175-182 (1981)		
	G354	Hankemeier et al.	Journal of Chromatography A(732): 75-84 (1996)		
	G355	Hanna	Industrial Problem Solving with UHMW Polyolefins, Hercules, Inc., pp. 1-9 (1982)		
	G356	Harris	Clinical Orthopaedics and Related Research 274: 6-11 (1992)		
	G357	Harris	Clinical Orthopaedics and Related Research 311: 46-53 (1995)		
	G358	Haslam et al.	Industrial and Engineering Chemistry 19(2): 292-296 (1927)		
	G359	Hastings et al.	Knee Wear Testing of a Radiation Crosslinked and Remelted UHMWPE, 25 th Annual Meeting Transactions, Soc. for Biomaterials, p. 328 (1999)		
	G360	Hegazy et al.	J. of Applied Polymer Science 26: 2947-2957 (1981)		
EXAMINER		/Susan Berman/		DATE CONSIDERED 06/14/2011	

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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G361	Hegazy et al.	J. of Applied Polymer Science, Vol. 26, p. 1361 (1981)
	G362	Heise	Das Verhalten von Hochpolymeren gegenüber ionisierender Strahlung*, Kolloid Zeitschrift und Zeitschrift für Polymere, Band 210, Heft 1, pp. 45-54 (1965)
	G363	Helmig	J. Chromatography A 732: 414-417 (1996)
	G364	Hempel et al.	Bestimmung von monomeren flüchtigen Anteilen in Polystyrol und Styrol-Misch- und Pfropfpolymerisaten, Deutsche Lebensmittel-Rundschau. 84(8): 239-242 (1988)
	G365	Hernandez et al.	J. of Bone and Joint Surgery 76-B(2): 263-266 (1994)
	G366	Herzog et al.	Desorption von Äthylenoxid aus gassterilisierten Platten und Elasten. Aus dem Institut für Allgemeine Hygiene, Vol. 25(5): 385-389 (1979)
	G367	Hida et al.	Journal of Chromatography A 761: 332-335 (1997)
	G368	Hikmet et al.	Radiat. Phys. Chem. 29(4): 275-281 (1987)
	G369	Hikmet et al.	Radiat. Phys. Chem. 29(1): 15-19 (1987)
	G370	Hill et al.	Radiation Chemical Yields: G Values, pp. 387-397 (1989)
	G371	Hiller et al.	J. of High Resolution Chromatography 16: 5-12 (1993)
	G372	Hodgson et al.	J. Agric. Food Chem. 46: 1397-1405 (1998)
	G373	Hofmann et al.	Design, Performance & Applicability of a Multi-Functional Thermal Desorption System for Trace Analysis in Capillary GC, Gerstel GmbH, pp. 1165-1175 (1992)
	G374	Hollifield	Food and Drug Administration Studies of High-Temperature Food Packaging, Food and Packaging Interactions, pp. 22-36 (1991)
	G375	Hornbogen	Mikrostruktur und Verschleiß, pp. 79-103 (1977)
	G376	Hood et al.	Contact Area & Pressure Dist. in Contemporary Total Knee Designs, Dept. of Biomech., The Hospital for Special Surgery, 535 East 70 Street, New York, NY 10021, pp. 233-236 (1983)
	G377	Hood et al.	J. of Biomedical Materials Research 17: 829-842 (1983)
	G378	Hood et al.	Retrieval Analysis of Fifty-Seven Total Condylar Knee Prostheses, 27 th Annual ORS, p. 159, Las Vegas, NV (1981)
	G379	Hopson et al.	Orthopedics 3(6): 537-546 (1980)
	G380	Horng et al.	Plastics Engineering, pp. 35-37 (1984)
	G381	Housel	Plastics Engineering, pp. 47-49 (1985)
	G382	Hsu et al.	Clinical Orthopaedics and Related Research 246: 260-265 (1989)
	G383	Hubbard	The Effect of Processing and Material on the Swell Ratio of UHMWPE, NTH/MED-DEV-3-98 6.1.98
	G384	Hubbard	Improvements in Oxidation Resistance in Medical Grade UHMWPE, NTH/MED-DEV-2-98 6.1.98
	G385	Hudis	Journal of Applied Polymer Science 16: 2397-2415 (1972)
EXAMINER		/Susan Berman/	DATE CONSIDERED 06/14/2011

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G386	Ikokwu et al.	The Use of Ultrahigh Molecular Weight Polyethylene in Particular Prosthesis - IV. Environ. Stress Cracking Propensity of Polyethylene in Bovine Serum, pp. 366-371 (1977)
	G387	Imai et al.	Journal of Polymer Science, Part A: Polymer Chemistry 27: 1763-1773 (1989)
	G388	Insall et al.	The Journal of Bone and Joint Surgery 64-A(9): 1317-1323 (1982)
	G389	Insall et al.	Clinical Orthopedics & Related Research 192: 13-22 (1985)
	G390	Iring et al.	Polymer Bulletin: 7: 489-495 (1982)
	G391	Jackson et al.	The American Journal of Sports Medicine 18(1): 1-11 (1990)
	G392	Jacobs et al.	J. Biomed. Matter Res. Symposium 6: 221-225 (1975)
	G393	Jacobsson	Journal of High Resolution Chromatography & Chromatography Communications 7: 185-190 (1984)
	G394	Jaeger	Moving Sources of Heat and the Temperature at Sliding Contacts, pp. 203-224 (1942)
	G395	Jahan et al.	Journal of Biomedical Materials Research 25:1005-1017 (1991)
	G396	Jahan et al.	Journal of Luminescence 40 & 41: 242-243 (1988)
	G397	James et al.	J Biomed Matter Res (Appl Biomater) 48:374-384 (1999)
	G398	Jasty et al.	The Journal of Bone and Joint Surgery 79-A(3) 349-358 (1997)
	G399	Jones et al.	Wear 70:77-92 (1981)
	G400	Jones et al.	Journal of Polymer Science: Part B: Polymer Physics 31: 807-819 (1993)
	G401	Kang et al.	The Journal of Bone and Joint Surgery 75-B(2): 254-258 (1993)
	G402	Kaltwasser et al.	The Patello-Femoral Joint in Total Knee Replacement, 33 rd Annual Meeting, Orthopaedic Research Society, Jan. 19-22, 1987, San Francisco, CA
	G403	Kang et al.	Journal of the American Chemical Society 89(9): 1980-1986 (1967)
	G404	Kang et al.	Journal of the American Chemical Society 89.9 (1967)
	G405	Kang et al.	Polymer Preprints, American Chemical Society, Division of Polymer Chemistry 8(1): 582-587 (1967)
	G406	Kärkkäinen et al.	Journal of Forensic Sciences 39(1): 186-193 (1994)
	G407	Kashiwabara	Radiat. Phys. Chem. 32(2): 203-208 (1988)
	G408	Kashiwabara et al.	Radiat. Phys. Chem. 37(1): 43-46 (1991)
	G409	Kashiwabara et al.	Radiation-Induced Oxidation of Plastics, Radiation Processing of Polymers, Chapter 11, pp. 221-254 (1992)
	G410	Kavanagh et al.	The Journal of Bone and Joint Surgery 71-A(10): 1496-1503 (1989)
EXAMINER /Susan Berman/		DATE CONSIDERED 06/14/2011	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 20 of 31 Form PTO/SB/08A		ATTY DOCKET NO. 00952-8033	APPLICATION NO. 09/764,445
LIST OF REFERENCES CITED BY APPLICANT(S)		APPLICANT(S) Edward W. MERRILL et al.	
		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G411	Keay	J. Fd Technol. 3: 123-129 (1968)
	G413	Kilcast	Irradiation of Packaged food, Food Irradiation and the Chemist, pp. 140-152 (1990)
	G413	Kiloran	Radiation Res. Rev. 3 pp. 369-388 (1972)
	G414	Kim-Kang et al.	Applied Spectroscopy 45(4): 572-580 (1991)
	G415	Kim-Kang et al.	Packaging Technology and Science 4: 35-48 (1991)
	G416	King et al.	The Residual Free Effect on Aging of Crosslinked Ultra-High Molecular Weight Polyethylene, 25 th Annual Meeting Transactions, Society for Biomaterials (1999)
	G413	Kitamaru et al.	Journal of the American Chemical Society 86: 3529-3534 (1964)
	G418	Klarenbeek et al.	Viricidal Actions of Ethylene Oxide Gas, pp. 525-528 (1954)
	G419	Klaassen	Nonmetallic Environmental Toxicants: Air Pollutants, Solvents & Vapors & Pesticides, Chapter 70, pp. 1628-1650 (1985)
	G420	Klaassen	Principles of Toxicology, Section XVII, Chapter 68, pp. 1592-1604, (1985)
	G421	Knyazev et al.	Irradiated Polyethylene In Technology, "KHIMIYA" Publishing House (1974)
	G422	Kolb et al.	Chromatographia 10(12): 705-711 (1977)
	G423	Kolb et al.	Multiple Headspace Extraction - A Procedure for Quantitative Analysis of Volatile Compounds in Solid Samples and Its Application for the Analysis of Vinyl Chloride Monomer (VCM) and Water in a PVC Resin, pp. 2-32 (1981)
	G424	Kolb et al.	Journal of Chromatography 204: 371-376 (1981)
	G425	Kolb et al.	Quantitative Bestimmung Von Restbakterien in Bedruckten Verpackungsfolien Nach Dem Verfahren Der Mehrfach-Gasextraktion, pp. 3-37 (1981)
	G426	Kosznowski et al.	Deutsche Lebensmittel-Rundschau Zeitschrift für Lebensmittelkunde und Lebensmittelrecht, Deutsche Lebensmittel-Rundschau 79(5): 179-183 (1983)
	G427	Kretzschmar	Ethyleneoxide-Desorption aus sterilisierten Kunststoff- und Gummimaterialien, Ethylene Oxide Desorption from Sterilized Plastic and Rubber Materials, Hyg. + Med. 12: 542-546 (1987)
	G428	Kurth et al.	Effects of Radiation Sterilization on UHMW-Polyethylene, The Third World Biomaterials Congress, Kyoto, Japan (April 1988)
	G429	Kurtz et al.	Post-Irradiation Aging and the Stresses in UHMWPE Components for Total Joint Replacement, 40th Annual Meeting, Orthopaedics Research Society, New Orleans, LA (February 1994)
	G430	Kurtz et al.	Biomaterials 20: 1449-1462 (1999)
	G431	Kurtz et al.	Biomaterials 20: 1659-1688 (1999)
	G432	LaBorde et al.	Toxicology and Applied Pharmacology 56: 16-22 (1980)
	G433	Lacoste et al.	Gamma-Photo-and Thermally-Initiated Oxidation of Polyolefines Used in Packaging 15(1-2): 139-152 (1995/6)
	G434	Lafortune et al.	Three-Dimensional Kinematics of the Patella During Walking, pp. 337-341 (no date)
	G435	Lancaster	Tribology, pp. 82-86 (1971)
EXAMINER		/Susan Berman/	DATE CONSIDERED 06/14/2011

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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G436	Landfield et al.	Sterilization of Medical Devices based on Polymer Selection & Stabilization Techniques, Chapter 43, pp. 975-999 (1983)
	G437	Langlais et al.	International Orthopaedics 4: 145-153 (1980)
	G438	Lantos	Journal of Biomaterials Applications 2: 358-371 (1988)
	G439	Lanza	Irradiation - Properties Changes, Crystalline Olefin Polymers 2(7): 301-360 (1964)
	G440	Larsen et al.	Industrial & Engineering Chemistry 34(2): 184-193 (1942)
	G441	Lattimer et al.	Determination of residual volatile chemicals in polymers by solid headspace gas chromatography, pp. 80-88 (1980)
	G442	Lawton et al.	Journal of Polymer Science 32: 257-277 (1958)
	G443	Leemhorst	Industrial Application of the Gamma Sterilization Process, Gammaster BV, pp. 1-8 (1980)
	G444	Leininger et al.	Change in Properties of Plastics During Implantation, Vol. X Trans. Amer. Soc. Artif. Int. Organs, pp. 320-321 (1964)
	G445	Levai et al.	The Journal of Bone and Joint Surgery 65-B(4): 448-451 (1983)
	G446	Lewis et al.	Clinical Orthopaedics and Related Research 299: 11-17 (1994)
	G447	Lewis	The Journal of Bone and Joint Surgery 82-A(2): 281-287 (2000)
	G448	Lewis	J. Biomed. Mater. Res. (Appl. Biomater) 38: 55-75 (1997)
	G449	Ley	J. Soc. Cosmet. Chem. 27: 482-489 (1976)
	G450	Ley	Radiation Sterilization - Microbiological Aspects, Irradiated Products Limited, pp. 1-16 (1984)
	G451	Li et al.	The Journal of Bone and Joint Surgery 76-A(7): 1080-1090 (1994)
	G452	Ligon et al.	Analytical Chemistry 48(3): 491-494 (1976)
	G453	Livermore et al.	The Journal of Bone and Joint Surgery 72-A(4): 518-528 (1990)
	G454	Livingston et al.	The Journal of Bone and Joint Surgery 79-A(10): 1529-1538 (1997)
	G455	Lombardi et al.	The Journal of Bone and Joint Surgery 78-A(5): 675-679 (1988)
	G456	Loy	Journal of Polymer Science XLIV: 341-347, (1960)
	G457	Lue et al.	ANTEC '84, Plastics in a World Economy, Conference Proceedings, New Orleans (1984), pp. 538-541
	G458	Lue et al.	Effects of Gamma-Irradiation on Ultra-High Molecular-Weight Polyethylene, ANTEC '81, pp. 246-247 (1981)
	G459	Lue	Effects of Gamma Irradiation and Post Heat-Treatments on the Structure and Mechanical Properties of Ultra High Molecular Weight Polyethylene (UHMW-PE), Thesis (1979)
	G460	Lyarsky et al.	Journal of Hygiene, Epidemiology, Microbiology and Immunology 32(3): 257-264 (1988)
	G461	Lyons	Journal of Polymer Science: Part A(3): 777-791, (1965)
EXAMINER		/Susan Berman/	DATE CONSIDERED 06/14/2011

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Sheet 22 of 31 Form PTO/SB/08A		ATTY DOCKET NO. 00952-8033	APPLICATION NO. 09/764,445
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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G462	Makhlis	Radiation Physics and Chemistry of Polymers, Chapter III, p. 120-176, John Wiley & Sons, New York (1975)
	G463	Malek et al.	Orthopaedic Review VII(6): 67-73 (1979)
	G464	Manley et al.	Clinical Orthopaedics and Related Research 298: 137-146 (1994)
	G465	Marque et al.	J Chim Phys 91: 1890-1895 (1994)
	G466	Masuda et al.	Oxidation of Crosslinked Polyethylene for Surgical Implantation, Report of the Consultants' Meeting on Post-Irradiation Stability of Radiation Sterilized Medical Implants, International Atomic Energy Agency, August 29 - September 1, 2000
	G467	Mathews et al.	The Inactivation of Certain Animal Viruses by Ethylene Oxide, Carbide & Carbon Chemicals Corporation, New York, NY, pps. 452-461 (1953)
	G468	Matsuo et al.	Macromolecules 19970; 2028-2035 (1986)
	G469	McIntyre et al.	Development of High Sensitivity Techniques for Characterizing Outgassing of Polymeric Construction Materials for Microenvironments, Proceedings-Institute of Environmental Sciences, pp. 474-480 (1984)
	G470	McKellop et al.	Clinical Orthopaedics and Related Research 369: 73-82 (1999)
	G471	McKellop et al.	Increased Wear of UHMW Polyethylene After Gamma Radiation Sterilization, 26 th Annual ORS, p. 99, Atlanta, GA (1980)
	G472	McKellop et al.	Journal of Biomedical Materials Research 12: 895-927 (1978)
	G473	McKellop et al.	Journal of Orthopaedic Research 17:157-167 (1999)
	G474	McKellop et al.	Journal of Orthopaedic Research 17: 329-339 (1999)
	G475	McLain et al.	The Journal of Arthroplasty 1(2): 91-98 (1986)
	G476	McLaren et al.	Wear 8: pp. 3-7 (1965)
	G477	McLaughlin	Radiat. Phys. Chem. 21(4): 359-366 (1983)
	G478	Merkow et al.	The Journal of Bone and Joint Surgery 67-A(9): 1321-1327 (1985)
	G479	Michael et al.	Journal of Food Science 35: 631-634 (1970)
	G480	Miller et al.	Wear 28: 207-216 (1974)
	G481	Minkoya et al.	Colloid Polymer Science 268(11): 1018-1023 (1990)
	G482	Minakawa et al.	The Journal of Bone and Joint Surgery 80-B(5): 894-899 (1998)
	G483	Mirra et al.	Clinical Orthopaedics and Related Research 117: 221-240 (1976)
	G484	Mitsui et al.	Polymer Journal 4(1): 79-86 (1973)
	G485	Miyaji et al.	Polymer 22: 701-703 (1981)
	G486	Mol et al.	Journal of Chromatography A, 703: 277-307 (1995)
EXAMINER		/Susan Berman/	
DATE CONSIDERED		06/14/2011	

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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G487	Morales et al.	Journal of Chromatography A, 66: 455-462 (1994)
	G498	Morrison	J. Biomechanics 3: 51-61 (1970)
	G489	Munari et al.	J. of Microcolumn Separations 7(4):403-409 (1995)
	G490	Muratoglu et al.	The Journal of Arthroplasty 16(2): 149-160 (2001)
	G491	Muratoglu et al.	The Effect of Peroxide Content on the Cross-Link Density, Mechanical Properties and Wear Behavior of UHMWPE, 44 th Annual Meeting, Orthopaedic Research Society (1998)
	G492	Muratoglu et al.	Biomaterials 20: 1483-1470 (1999)
	G491	Murch et al.	The Search for Low-Smoke Polyurethane Foams Goes On, Plastics Engineering, pp. 35-35 (1993)
	G494	Murray	Clinical Orthopaedics and Related Research 192: 59-68 (1985)
	G496	Narkis et al.	J. Macromol. Science - PHYS. B26(1): 37-58 (1987)
	G495	Nusbaum et al.	Journal of Biomedical Materials Research 13: 557-576 (1979)
	G497	Nusbaum et al.	Journal of Applied Polymer Science 23: 777-789 (1979)
	G498	Oberholzer et al.	Sulzer Technical Review, 3/99, pp. 22-23 (1999)
	G499	O'Connor et al.	Wear and High Cycle Fatigue of a Highly Crosslinked UHMWPE, 1999 Society For Biomaterials, 25th Annual Meeting Transactions, pp. 508 (1999)
	G500	O'Donnell et al.	Radiat. Phys. Chem. 39(2): 209-214 (1992)
	G501	Okada et al.	Journal of Polymer Science L(153): S22-S24 (1961)
	G502	O'Neill et al.	Polymer Degradation and Stability 63: 31-39 (1999)
	G503	Oonishi et al.	Encyclopedic Handbook of Biomaterials and Bioengineering 2:1853-1868 (1995)
	G504	Oonishi et al.	Radia. Phys. Chem 39(6): 495-504 (1992)
	G505	Oonishi et al.	In-Vivo and In-Vitro Wear Behavior of Alumina Ceramic and UHMW Polyethylene Implant Bearing Surfaces in Total Joint Prostheses, Dept. of Orthopedic Surgery & Osaka-Minami National Hospital, pp. 1-26 (no date)
	G506	Oonishi et al.	Wear of Highly Cross-linked Polyethylene Cup with 100 Mrad and Less than 10 Mrad, H. Oonishi Memorial Joint Replacement Institute, Tominaga Hospital, Japan Medical Materials Corp., Loma Linda Univ., Medical Center (no date)
	G507	Oonishi et al.	Super Low Wear Cross-Linked UHMWPE by Heavy High-Dose Radiation, WPOA 2 nd Congress of Hip Section, p. 61 (1996)
	G508	Oonishi et al.	Wear Resistance of Gamma-Ray Irradiated U.H.M.W. Polyethylene Socket in Total Hip Prosthesis, The Third World Biomaterials Congress, Kyoto, Japan (1988)
	G509	Oonishi et al.	Wear of High-Dose Gamma Irradiated Polyethylene in Total Joint Replacement - Long Term Radiological Evaluation, 44 th Annual Meeting, Orthopaedic Society (1998)
	G510	Oonishi et al.	The Effects of Gamma-Irradiation On Wear Resistance Of Polyethylene Socket In Total Hip Prostheses, The 17th Annual Meeting Of The Society For Biomaterials (1991)
EXAMINER /Susan Berman/		DATE CONSIDERED 06/14/2011	

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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G511	Oonishi et al.	The Journal of Arthroplasty 16(8/1): 129-133 (2001)
	G512	Oonishi et al.	Journal of Long-Term Effects of Medical Implants 2(1): 37-47 (1992)
	G513	Oonishi et al.	Wear Resistance of Gamma-Ray Irradiated U.H.M.W. Polyethylene Socket in Total Hip Prostheses - Wear Test and Long Term Clinical Results, MRS International Meeting on Advanced Materials, Vol. 1, pp. 351-356 (1989)
	G514	Oonishi et al.	Clinical Implant Materials, Advances in Biomaterials. 9: 379-384 (1990)
	G515	Oonishi et al.	Physical and Chemical Characteristics of High-Dose Gamma Irradiated Sockets- Retrieval Study After Long Term Implantation, 45th Annual Meeting, Orthopaedic Research Society (1999)
	G516	Oonishi et al.	Gamma-irradiated Cross-Linked Polyethylene in Total Hip Replacements - Analysis of Retrieved Sockets After Long-Term Implantation, Journal of Biomedical Materials Research, pp. 167-171 (2001)
	G517	Oonishi et al.	The Low Wear of Cross-linked Polyethylene Sockets in Total Hip Prostheses, Encyclopedia of Biomaterials and Bioengineering, Part A, Vol. 2, p. 1853-1855 (1995)
	G518	Oonishi et al.	Journal of Materials Science: Materials in Medicine 7: 753-763 (1996)
	G519	Oonishi et al.	Journal of Materials Science: Materials in Medicine 8: 11-18 (1997)
	G520	Oppenheimer et al.	Further Studies of Polymers as Carcinogenic Agents in Animals, Cancer Research, pp. 333-340 (1955)
	G521	Pearson	The 1993 Medical Device Technology Raw Materials Survey, Medical Device Technology, pp. 42-46 (1993)
	G522	Pargas	Threshold of Regulation is "sensible" option for meat irradiation packaging, FDA's Hansen tesil AMI seminar, Food Chemical News, pp. 9-11(1998)
	G523	Pascaud et al.	Journal of Biomedical Materials Research 32: 619-626 (1996)
	G524	Patel et al.	Journal of Polymer Science: Polymer Physics Edition 13: 303-321 (1975)
	G525	Patel et al.	Polymer Letters Edition 11: 737-743 (1973)
	G526	Perkins et al.	Polymer Engineering and Science 18(6): 527-532 (1978)
	G527	Pizzoferrato	Biomat., Med. Dev., Art. Org. 7: 257-262 (1979)
	G528	Plester	Trans J. Plastics Inst., pp. 579-585 (1967)
	G529	Poggie et al.	Effects of Resin Type, Consolidation Method, and Process Parameters on UHMWPE, ASTM Symposium: Characterization & Properties of Ultra-High Molecular Weight (1998)
	G530	Pokrop	Sterilization: Humidification of Preconditioning Rooms in EtO Sterilization, Technology (1992)
	G531	Pooley et al.	Proc. R. Soc. Lond. A., Vol. 329: 251-274 (1972)
	G532	Premnath et al.	Biomaterials 17(18): 1741-1753 (1996)
	G533	Premnath et al.	Melt Irradiated UHMWPE For Total Hip Replacements. Synthesis and Properties, 43rd Annual Meeting, Orthopaedic Research Society (1997)
	G534	Pruitt et al.	Compression Fatigue of Ultra High Molecular Weight Polyethylene and its implications for Total Joint Replacements, 39th Annual Meeting, Orthopaedic Research Society (1993)
EXAMINER		DATE CONSIDERED	
/Susan Berman/		06/14/2011	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G535	Raffi	Trends in Analytical Chemistry 17(4): 226-233 (1998)
	G536	Rakita et al.	Journal of Vinyl Technology 6(2): 73-76 (1984)
	G537	Ranawat	Clinical Orthopaedic and Related Research 205: 93-99 (1986)
	G538	Reckling et al.	The Journal of Bone and Joint Surgery 57-A(1): 108-112 (1975)
	G539	Regan	Oxidative Degradation of UHMW Polyethylene Orthopaedic Implants, Honors Thesis from Curtin University of Technology, Australia (Nov. 1992)
	G540	Reilly et al.	Acta orthop. Scandinav 43: 126-137 (1972)
	G547	Ricour et al.	SPE Journal 28: 41-45 (1972)
	G542	Ries et al.	The Journal of Arthroplasty 11(8): 974-976 (1996)
	G543	Ries et al.	Abrasive Wear Simulation In Total Knee Arthroplasty, 45th Annual Meeting, Orthopaedic Research Society (1999)
	G544	Ries et al.	Clinical Orthopaedic Related and Research 282: 164-169 (1992)
	G545	Riganakos et al.	Radiation Physics and Chemistry 54: 527-540 (1999)
	G546	Rijke et al.	Macromolecules 4(5): 594-599 (1971)
	G547	Ritter et al.	The Journal of Bone and Joint Surgery 72-A(5): 672-677 (1990)
	G548	Rodriguez	Principles of Polymer Systems, Second Edition, pp. 216-218 (1982)
	G549	Roe et al.	Journal of Biomedical Materials Research 15: 209-230 (1981)
	G550	Roffman et al.	Clinical Orthopaedic and Related Research, No. 148: 112-116 (1980)
	G551	Rose	Determining Volatile Extractives from Micro Susceptor Food Packaging, Food and Packaging Interactions, Chapter 8, pp. 67-78 (1991)
	G552	Rose et al.	Wear 51: 77-84 (1978)
	G553	Rose et al.	The Effect of Ionizing Radiation on Ultra High Molecular Weight Polyethylene, 3 rd Annual Meeting of the Society for Biomaterials (1997)
	G554	Rose et al.	Clinical Orthopaedics and Related Research 145: pp. 277-286 (1979)
	G555	Rose et al.	The Journal of Bone and Joint Surgery 62A(4): 537-549 (1980)
	G556	Rose et al.	Journal of Orthopaedic Research 2(4): 393-400 (1984)
	G557	Rostoker et al.	J. Biomed. Mater. 10: 303-310 (1976)
	G558	Rostoker et al.	Journal of Biomedical Materials Research 13: 957-964 (1979)
	G559	Saegesser et al.	Aktuelle Probleme in Chirurgie und Orthopädie, Finding on total hip replacement for ten years, pp. 1-22 (1982)
EXAMINER		/Susan Berman/	
		DATE CONSIDERED	06/14/2011

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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G560	Saikko	Acta Orthop Scand 66(6): 501-506 (1995)
	G561	Saikko et al.	Wear Simulation of UHMWPE for total hip replacement with a multidirectional motion pin-on-disk device: Effects of counterface material, contact area, and lubricant, pp. 147-154 (1999)
	G562	Saki et al.	Polymer 34(16): 3362-3367 (1993)
	G563	Salovey et al.	Irradiation of Ultra High Molecular Weight Polyethylene, Polymer Reprints, pp. 118-119 (1985)
	G564	Salvati et al.	J. of Bone & Joint Surgery 61-A(8): 1239-1242 (1979)
	G565	Sanford et al.	Accelerated Oxidative Ageing Testing of UHMWPE, 41st Annual Meeting, Orthopaedic Research Society (1995)
	G566	Sangster et al.	Journal of Applied Polymer Science 42: 1385-1393 (1991)
	G567	Sauer et al.	Polymer Engineering and Science 17(4): 246-250 (1977)
	G569	Saum	Oxidation vs. Depth and Time for Polyethylene Gamma Sterilized in Air, 40th Annual Meeting, Orthopaedic Research Society (1994)
	G569	Saunders et al.	Radiation Effects on Microorganisms and Polymers for Medical Products, Medical Device & Diagnostic Industry, pp. 89-92 (1993)
	G570	Savan	The Sterilizing Action of Gaseous Ethylene Oxide on Foot -and-Mouth Disease Virus, Am. J. Vet. Res., pp. 158-159 (1955)
	G571	Sawatari et al.	Colloid & Polymer Science 226(4): 316-323 (1988)
	G572	Schaudy	Oxidation Processes in the Radiation-induces Cross-linking of Low Density Polyethylene, Kunststoffe 68(3): 22-25 (1978)
	G573	Schmalzried et al.	The Journal of Bone and Joint Surgery 76-A(5): 677-688 (1994)
	G574	Schmalzried et al.	The Journal Bone & Joint Surgery 74-A(6): 849-863 (1992)
	G575	Schmidt et al.	The Effects of Calcium Stearate of the Properties of UHMWPE, 42nd Annual Meeting, Orthopaedics Research Society (1996)
	G576	Schmidt et al.	Journal of High Resolution Chromatography & Chromatography Communications 11: 242-247 (1988)
	G577	Schnabel	Linear-Energy-Transfer Effects on Polymers, Radiation Effects on Polymers, pp. 44-52 (1991)
	G578	Schonhorn et al.	Journal of Applied Polymer Science 18: 235-243 (1974)
	G579	Schreiber et al.	Int. J. Radiat. Biol. 63(1): 105-130 (1993)
	G580	Schulzki	Radiat. Phys. Chem. 46(4-6): 765-769 (1995)
	G581	Schulzki et al.	J. Agric. Food Chem. 43: 372-376 (1995)
	G582	Schulzki et al.	J. Agric. Food Chem. 45: 3921-3927 (1997)
	G583	Schulzki et al.	Irradiation Detection in Complex Lipid Matrices by Means of On-Line Coupled (LC)-JLC-GC, Detection Methods for Irradiated Food: Current Status, pp. 259-268 (1996)
	G584	Scott	Orthopedic Clinics of No. America 10(1): 129-137 (1979)
	G585	Seedhorn et al.	Knee forces during the activity of getting out of a chair with and without the aid of arms, Biomedical Engineering, pp. 278-282 (1976)
EXAMINER		DATE CONSIDERED	
/Susan Berman/		06/14/2011	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G586	Taylor et al.	The performance of irradiation-crosslinked UHMWPE cups under abrasive conditions throughout hip joint sim. wear testing, 45th Annual Meeting, Ortho. Research Soc. (1999)
	G587	Shadrake et al.	Journal of Materials Science 17: 145-156 (1982)
	G588	Sharpe	Dosimetry for Food Irradiation, Food Irradiation and the Chemist, pp. 109-123 (1990)
	G595	Shastri et al.	Effects of Gamma Radiation Sterilization and In-Vitro Aging on Ultra High Molecular Weight Polyethylene, Bioengineering, Proceedings of the Ninth Northeast Conference, pp. 419-424 (1981)
	G590	Shastri et al.	Effect of Aging on Ultra High Molecular Weight Polyethylene, ANTEC83, Conference Proceedings, pp. 15-18 (1983)
	G591	Shastri et al.	Gamma Radiation and Environmental Aging Induced Changes in Medical Grade UHMW Polyethylene, Seventh Annual Meeting of the Society of Biomaterials, p. 99 (1981)
	G592	Shen	Effect of Irradiation on Chemically Crosslinked Ultra High Molecular Weight Polyethylene (A dissertation Presented to the Univ. of Southern California), (1994)
	G595	Shen et al.	Improving the Resistance to Wear and Oxidation of Acetabular Cups of Gamma Radiation Crosslinking and Remelting, 24th Annual Meeting of the Society for Biomaterials (1998)
	G596	Shen et al.	Wear 30: 349-364 (1974)
	G595	Shen	Analytical Chemistry 48(8): 886-888 (1977)
	G596	Shintani	J. of Radiation Sterilization 1: 11-28 (1992)
	G597	Shintani et al.	J. of Analytical Toxicology 13: 354-357 (1989)
	G598	Shintani et al.	Journal of Biomaterials Applications 10: 23-58 (1995)
	G595	Silverman	Radiat. Phys. and Chem. 9: 1-15 (1977)
	G600	Silverman	Radiation-Induced and Chemical Crosslinking: A Brief Comparison, pp. 16-22 (1984)
	G601	Simon et al.	The Journal of Bone and Joint Surgery 57-A(2): 226-230, (1975)
	G602	Singh et al.	Radiation Processing: An Overview, Radiation Processing of Polymers, pp. 1-22, Oxford University Press, NY (1992)
	G603	Sochart	Clinical Orthopaedics and Related Research 363: 135-150 (1999)
	G604	Soudry et al.	Clinical Orthopaedics and Related Research 205: 166-170 (1986)
	G605	Spadaro et al.	Eur. Polym. J. 28(3): 257-259 (1992)
	G606	Spiegelberg et al.	Radiat. Phys. Chem. 43(5): 433-444 (1994)
	G607	St. John et al.	Comparison of the Wear Resistance of Two Cross-Linked Polyethylene Materials, Society for Biomaterials, 25th Annual Meeting Transactions, p. 501, Jackson, MS (1999)
	G608	Stanley et al.	The Journal of Thoracic and Cardiovascular Surgery 61(2): 309-314 (1971)
	G609	Steelman	AORN Journal 55(3): 773-787 (1992)
	G610	Streicher	The Behavior of UHMW-PE when Subjected to Sterilization by Ionizing Radiation, pp. 66-73 (1991)
EXAMINER /Susan Berman/		DATE CONSIDERED 06/14/2011	

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Sheet 28 of 31 Form PTO/SB/08A		ATTY DOCKET NO. 00952-8033	APPLICATION NO. 09/764,445
LIST OF REFERENCES CITED BY APPLICANT(S)		APPLICANT(S) Edward W. MERRILL et al.	
		FILING DATE January 19, 2001	GROUP 1765
Date Submitted: April 4, 2011			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G611	Streicher	Change in Properties of High Molecular Weight Polyethylenes After Ionizing Irradiation for Sterilization and Modification, Radiation Processing for Plastics and Rubber III (no date)
	G612	Streicher	Improving UHMWPE By Ionizing Irradiation Crosslinking During Sterilization, 17th Annual Meeting of the Society For Biomaterials, p. 181 (1991)
	G619	Streicher	Radiation Physics and Chemistry 31(4-6): 693-698 (1988)
	G614	Streicher	Investigation on Sterilization and Modification of High Molecular Weight Polyethylenes by Ionizing Irradiation, Reprint from Beta-Gamma 1/89, pp. 34-43 (1989)
	G615	Streicher	Radiat. Phys. Chem. 46(4-6): 893-896 (1995)
	G616	Streicher et al.	Examinations of Explanted Hip Joint Cups Made of UHMW-PE, Ultra-High Molecular Weight Polyethylene as Biomaterial in Orthopedic Surgery, pp. 196-201, Hogrefe & Huber Publishers (1991)
	G617	Stein	Ultrahigh Molecular Weight Polyethylenes (UHMWPE), Engineered Materials Handbook, Vol. 2, Engineering Plastics, pp. 167-171 (1988)
	G619	Sun et al.	Development of an Accelerated Aging Method for Evaluation of Long-term Irradiation Effects on UHMWPE Implants, pp. 969-970 (1994)
	G619	Sutula et al.	Clinical Orthopaedic and Related Research 319: 28-40 (1995)
	G625	Swarts et al.	Aging of Calcium Stearate-Free Polyethylene, Fifth World Biomaterials Congress (1996)
	G621	Szycher	Medical/Pharmaceutical Markets for Medical Plastics, High Performance Biomaterials, pp. 3-30 (1991)
	G622	Tanner et al.	Clinical Orthopaedics and Related Research 317: 83-86 (1995)
	G626	Taylor et al.	International Journal of Mass Spectrometry and Ion Processes, 89: 157-169 (1989)
	G624	Tompkins et al.	Journal of Invertebrate Pathology 25: 139-140 (1975)
	G625	Trainor et al.	Journal of Polymer Science: Polymer Physics Edition 15: 1077-1088 (1977)
	G626	Trent et al.	Wear 36: 175-187 (1976)
	G627	Tripp	International Journal of Applied Radiation & Isotopes 6: 199-206 (1959)
	G628	Tsuruta et al.	Polymer Engineering and Science 23(9): 521-529 (1983)
	G629	Uchida et al.	International Orthopaedics (SICOT) 3: 285-291 (1980)
	G630	Ungar	Journal of Materials Science 16: 2635-2656 (1981)
	G631	Ungar et al.	Effect of Radiation on the Crystals of Polyethylene and Paraffins 21: 1273-1294 (1980)
	G632	Ungethum et al.	Der Einfluß der Strahlensterilisation auf das Verschleißverhalten von Polyäthylen, Z. Orthop. 117: 790-794 (1979)
	G633	Urquhart et al.	The Journal of Bone and Joint Surgery 80-A(11): 1641-1647 (1998)
	G634	van der Vis et al.	Acta Orthop Scan 69(3): 248-252 (1998)
	G635	Van Lieshout et al.	J.High Resol. Chromatogr. 19: 193-198 (1996)
EXAMINER /Susan Berman/		DATE CONSIDERED 06/14/2011	

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		FILING DATE January 19, 2001	GROUP 1765
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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
	G636	Van Lieshout, et al.	Journal of Chromatography A 764: 73-84 (1997)
	G637	Varner et al.	J. Assoc. Off. Anal. Chem. 74(2): 367-374 (1991)
	G638	Venema	Journal of High Resolution Chromatography & Chromatography Communications 11: 128-131 (1988)
	G639	Venema	Journal of High Resolution Chromatography & Chromatography Communications 9: 637-640 (1986)
	G640	Vince et al.	Techniques Orthop 1(4): 69-82 (1987)
	G641	Walker et al.	MEP Ltd. 10(1): 33-38 (1981)
	G642	Walker et al.	The Journal of Bone and Joint Surgery 59-B(2): 222-228 (1977)
	G643	Wallin	Meeting Report, Global Biocompatibility, Medical Device Technology, pp 34, 36, 38 (1995)
	G644	Wang et al.	Effects of Sterilization Methods on the Wear of Ultra-High Molecular Weight Polyethylene Acetabular Cups, 5th World Biomaterials Congress, Abstract No. 275 (1996)
	G645	Wang et al.	Effects of Sterilization Methods on the Wear of Ultra-High Molecular Weight Polyethylene Acetabular Cups, 5th World Biomaterials Congress, Abstract No. 275 (1996)
	G646	Wang et al.	Tribology International 31(1-3): 17-33 (1998)
	G647	Wang et al.	The Impact of Lubricant Protein Concentration on the Outcome of Hip Joint Simulator Wear Testing, 1999 Society for Biomaterials, 25th Annual Meeting Transactions, p. 178
	G648	Warty et al.	European Polymer Journal 15: 445-452 (1979)
	G649	Watanabe et al.	Journal of High Resolution Chromatography 14: 269-272 (1991)
	G650	Waterman et al.	The Journal of Physical Chemistry 74(9): 1913-1922 (1970)
	G651	Webb et al.	The Journal of Bone and Joint Surgery 62-B(2): 174-179 (1980)
	G652	Weightman et al.	J. Biomechanics 6: 299-311 (1973)
	G653	Weightman et al.	J. of Biomedical Materials Research 13: 669-672 (1979)
	G654	Weightman et al.	The Journal of Bone and Joint Surgery 73-B(5): 806-810 (1991)
	G655	Wele et al.	Frage nach Qualitätsverlust berechtigt? Einfluß ionisierender Strahlen auf Verpackungen & Auswirkungen auf die Lebensmittel, ZfL 50, Nr. 4 (1999)
	G656	Wesendorf	Journal of Chromatography Sciences 23: 521-523 (1985)
	G657	Whitbourne et al.	Journal of Pharmaceutical Sciences 58(8): 1024-1025 (1969)
	G658	White et al.	Clinical Orthopaedics and Related Research 331: 164-171 (1996)
	G659	Willert et al.	Reaction of the Articular Capsule to Plastic & Metallic Wear Products from Joint Endoprostheses, Sulzer Technical Review, pp. 119-133 (1975)
	G660	Willert et al.	J. Biomed. Mater. Res. 11: 157-164 (1977)
EXAMINER		DATE CONSIDERED	
/Susan Berman/		06/14/2011	

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Date Submitted: April 4, 2011					
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)					
	G661	Williams et al.	Journal of the American Chemical Society 81(12): 2919-2926 (1959)		
	G662	Williams et al.	Clinical Orthopaedics and Related Research 356: 170-180 (1998)		
	G663	Winarno et al.	Journal of Food Science, Vol. 36: 892-895 (1971)		
	G664	Winslow et al.	Polymer Engineering and Science, pp. 273-278 (1966)		
	G665	Winslow et al.	Oxidative Embrittlement of Polyethylene, Trans. N.Y. Academy of Science, pp. 304-315 (1965)		
	G666	Woods et al.	Plastics and Rubber Processing and Applications 5: 157-164 (1985)		
	G667	Woolson et al.	The Journal of Bone and Joint Surgery 77-A(9): 1311-1314 (1995)		
	G668	Wright et al.	Clinical Orthopaedics & Related Research 205: 67-74 (1986)		
	G669	Wright et al.	Retrieval Analysis of Total Joint Replacement Components: A Six-Year Experience, Corrosion & Degradation of Implant Materials, pp. 415-428 (1985)		
	G670	Woo	Advance Testing Methods for Biomaterials, Fundamental Properties and Test Methods, pp. 91-123 (1991)		
	G671	Wroblewski, et al.	The Journal of Bone and Joint Surgery 78-B(2): 280-285 (1996)		
	G672	Wroblewski	The Journal of Bone and Joint Surgery 61-B(4): 498-500 (1979)		
	G673	Wrona et al.	Clinical Orthopaedics and Related Research 299: 92-103 (1994)		
	G674	Wunderlich et al.	J. Polymer Science 5(Part A-2): 987-988 (1967)		
	G675	Wünsche	J. Macromol. Sci. and Phys. B23(1): 65-84 (1984)		
	G676	Wünsche et al.	J. Macromol. Sci. and Phys. B22(2): 169-183 (1983)		
	G677	Yeh et al.	J. of Polymer Science 29: 371-388 (1991)		
	G678	Yoshii et al.	Polymer Communications 28: 278-280 (1987)		
	G679	Yousefi et al.	Radiat. Phys. Chem. 44(6): 645-649 (1994)		
	G680	Zachariades et al.	Journal of Polymer Science 21: 821-830 (1983)		
	G681	Zhao et al.	Journal of Applied Polymer Science 50: 1797-1801 (1993)		
	G682	Zlatkevich	Journal of Polymer Science, Polymer Physics Edition 23: 2633-2634 (1985)		
	G683	Zoeplf et al.	J. Polymer Science, Polymer Chemistry Edition 22: 2017-2032 (1984)		
	G684	Zoeplf et al.	J. Polymer Science, Polymer Chemistry Edition 22: 2033-2045 (1984)		
	G685	Peterson	Pub. No. US 2002/0013781 (09/758,357) (1/31/02)		
	G686	Sun et al.	Pub No. US 2002/0107299 (10/041,118) (8/8/02)		
EXAMINER		/Susan Berman/		DATE CONSIDERED	
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